

**A. CLASSIFICATION OF SUBJECT MATTER**

Int. Cl. 7: B01D 65/02, 65/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI IPC B01D 65/02, 65/04, B01D, and Keywords (filtration, membrane, vertical, aeration, gas, bubble, scour, scrub, tube, pipe, shroud, concentric, annular) and like terms

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	Derwent Abstract Accession No. 2003376438/36, Class J01 JP 2003047830 A (YUASA CORP KK) 18 February 2003 abstract	1 - 9
A	Derwent Abstract Accession No. 2001351320/37, Class D15 JP 2001104760 A (MITSUBISHI JUKOGYO KK) 17 April 2001 abstract	1 - 9
A	Derwent Abstract Accession No. 98172780/16, Class D15, J01 JP 10033955 A (HITACHI Zosen Corp) 10 February 1998 abstract	1 - 9

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
29 October 2003

Date of mailing of the international search report  
4 NOV 2003

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Derwent Abstract Accession No. 99174701/15, Class D15, JP 11028467 A (NKK CORP) 2 February 1999 abstract	1 - 9
A	Derwent Abstract Accession No. 2001194533/20, Class D15, JP 2001009246 A (HITACHI PLANT ENG & CONSTR CO. LTD.) 16 January 2001 abstract	1 - 9
A	Derwent Abstract Accession No. 2001560464/63 Class D15 JP 2001190937 A (SUMITOMO HEAVY IND LTD) 17 July 2001 abstract	1 - 9

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/AU03/01338

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report	Patent Family Member
JP 2003047830	
JP 2001104760	
JP 10033955	
JP 11028467	
JP 2001009246	
JP 2001190937	
END OF ANNEX	